

CLAIMS

1. A management method for a device that is mounted on or attached to a given apparatus and is to be removed from the apparatus to undergo maintenance such as keeping, inspection, and repair, the management method comprising: storing maintenance data for every device in a data management unit (8) to be recordable and readable; giving an identification code (4) to each device; reading an identification code of a device and inputting and outputting the read identification code together with information required for maintenance by means of a mobile terminal (11); and sending and receiving the maintenance data between the mobile terminal and the data management unit.

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2. The management method for a device that requires maintenance according to claim 1, wherein the mobile terminal having a reading function for the identification code reads the identification code (4) of the device.

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3. The management method for a device that requires maintenance according to claim 2, wherein

the identification code (4) of the device comprises a barcode, and

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a barcode reader provided to the mobile terminal (11) reads the barcode.

4. The management method for a device that requires maintenance according to any one of claims 1 to 3, wherein

the apparatus is a component-mounting machine, and

5 the device is a parts feeder for supplying a component or a suction nozzle for holding a component by suction.

5. The management method for a device that requires maintenance according to any one of claims 1 to 3, wherein

10 the maintenance data includes location data indicating the location of the device and history data including performance of the device and history of repair.

6. A system for managing a device that is mounted on or
15 attached to a given apparatus and is to be removed from the apparatus to undergo maintenance such as keeping, inspection, and repair, the management system comprising: a plurality of devices each of which has an identification code (4) given thereto for identifying the corresponding device; a database
20 for storing maintenance data for each device; a data management unit (8) for recording and reading the maintenance data for each device into/from the database; a mobile terminal (11) including reading means for reading an identification code of a device, and having a function of inputting and outputting the read
25 identification code together with information required for maintenance; and communication means for sending and receiving the maintenance data between the mobile terminal and the data

management unit.

7. The system for managing a device that requires maintenance according to claim 6, wherein

5 the mobile terminal (11) is provided with a barcode reader as reading means of the identification code (4).

8. The system for managing a device that requires maintenance according to claim 6 or 7, wherein

10 the communication means comprises PHS radio communication means (10).